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| Substitute for Form 1449 A & B/PTO | | Complete if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | Application Number | 10/540,516 |
| | | Confirmation Number | Not Yet Assigned |
| | | Filing Date | June 23, 2005 |
| | | First Named Inventor | Francoise SOUSSALINE |
| | | Art Unit | Not Yet Assigned |
| Examiner Name | Not Yet Assigned | | |
| Attorney Docket Number | Q88805 | | |
| Sheet | 1 | of | 2 |

U.S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document |
|--------------------|-----------------------|-----------------|--------------------------------------|--------------------------------|---|
| | | Number | Kind Code ² (if known) | | |
| | | US 6,027,880 | A | 02-22-2000 | Cronin, <i>et al.</i> |
| | | US 5,837,832 | A | 11-17-1998 | Chee, <i>et al.</i> |
| | | US 5,981,178 | A | 11-09-1999 | Tsui, <i>et al.</i> |
| | | US 5,972,618 | A | 10-26-1999 | Bloch |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Translation ⁴ |
|--------------------|-----------------------|---------------------------|---------------------|--------------------------------------|--------------------------------|---|--------------------------|
| | | Country Code ³ | Number ⁴ | Kind Code ⁵ (if known) | | | |
| | | WO | 93/02216 | A1 | 02-04-1993 | Upstate Biotechnology, Inc. | |

NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published. | Translation ⁴ |
|--------------------|-----------------------|--|--------------------------|
| | | THOMAS F. BOAT, <i>et al.</i> , "Cystic Fibrosis," <i>The metabolic basis of inherited disease</i> , 6 th Edition, pages 2648-2680, 1989 | |
| | | MIKHAIL A. LIVSHITS, <i>et al.</i> , "Theoretical Analysis of the Kinetics of DNA Hybridization with Gel-Immobilized Oligonucleotides," <i>Biophysical Journal</i> , Vol. 71, No. 5, pages 2795-2801, November 1996 | |
| | | AUSUBEL, <i>et al.</i> , "In situ Hybridization and Immunohistochemistry," <i>Current protocol in molecular biology</i> , Greene Publishing Associates, Inc. and John Wiley and sons, Inc. pages 14-1 to 14-30 | |
| | | SAMBROOK, <i>et al.</i> , "Synthetic Oligonucleotide Probes," <i>Molecular Cloning: a laboratory manual</i> , 2 nd Edition, pages 11-1 to 11-61, 1989 | |
| | | E.M. SOUTHERN, <i>et al.</i> , "Analyzing and Comparing Nucleic Acid Sequences by Hybridization to Arrays of Oligonucleotides: Evaluation Using Experimental Models," <i>Genomics</i> , Vol. 13, pages 1008-1017, 1992 | |
| | | K.R. KHRAPKO, <i>et al.</i> , "An oligonucleotide hybridization approach to DNA sequencing," <i>FEBS Letters</i> , Vol. 256, number 1, 2, pages 118-122, October 1989 | |
| | | SERGEI V. TILLIB, <i>et al.</i> , "Advances in the analysis of DNA sequence variation using oligonucleotide microchip technology," <i>Current Opinion Biotechnology</i> , Vol. 12(1), pages 53-58, 2001 | |
| | | MARTIN HUBER, <i>et al.</i> , "Accessing Single Nucleotide Polymorphisms in Genomic DNA by Direct Multiplex Polymerase Chain Reaction Amplification on Oligonucleotide Microarrays," <i>Analytical Biochemistry</i> , Vol. 303, pages 25-33, 2002 | |
| | | MARTIN HUBER, <i>et al.</i> , "Detection of Single Base Alterations in Genomic DNA by Solid Phase Polymerase Chain Reaction on Oligonucleotide Microarrays," <i>Analytical Biochemistry</i> , Vol. 299, pages 24-30, 2001 | |
| | | VLADIMIR MIKHAILOVICH, <i>et al.</i> , "Identification of Rifampin-Resistant <i>Mycobacterium tuberculosis</i> Strains by Hybridization, PCR, and Ligase Detection Reaction on Oligonucleotide Microchips," <i>Journal of Clinical Microbiology</i> , Vol. 39, No. 7, pages 2531-2540, July 2001 | |
| | | SERGEI V. TILLIB, <i>et al.</i> , "Integration of Multiple PCR Amplifications and DNA Mutation Analyses by Using Oligonucleotide Microchip," <i>Analytical Biochemistry</i> , Vol 292, pages 155-160, 2001 | |

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| Examiner Signature | /P. Kathryn Wright/ | Date Considered | 05/04/2009 |
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|--------------------|-----------------------|---|--------------------------|
| | | SVETLANA DUBILEY, <i>et al.</i> , "Polymorphism analysis and gene detection by minisequencing on array of gel-immobilized primers," <i>Nucleic Acids Research</i> , Vol. 27, No. 18, pages i-vi, 1999 | |
| | | DEIRDRE O'MEARA, "SNP typing by apyrase-mediated allele-specific primer extension on DNA microarrays," <i>Nucleic Acids Research</i> , Vol. 30, No. 15, 2002 | |
| | | DON I. STIMPSON, <i>et al.</i> , "Real-time detection of DNA hybridization and melting on oligonucleotide arrays by using optical wave guides," <i>Proc. Natl. Acad. Sci., U.S.A.</i> , Vol. 92, pages 6379-6383, July 1995 | |
| | | WEN-TSO LIU, <i>et al.</i> , "Optimization of an oligonucleotide microchip for microbial identification studies: a non-equilibrium dissociation approach," <i>Environmental Microbiology</i> , Vol. 3, No. 10, pages 619-629, 2001 | |
| | | ALEXANDER V. FOTIN, <i>et al.</i> , "Parallel thermodynamic analysis of duplexes on oligodeoxyribonucleotide microchips," <i>Nucleic Acids Research</i> , Vol. 26, No. 6, pages 1515-1521, 1998 | |
| | | JONATHAN E. FORMAN, <i>et al.</i> , "Thermodynamics of Duplex Formation and Mismatch Discrimination on Photolithographically Synthesized Oligonucleotide Arrays," <i>Molecular Modeling of Nucleic Acids</i> , Chapter 13, ACS Symposium Series, 682, pages 206-228, 1998 | |
| | | ALEXANDER W. PETERSON, <i>et al.</i> , "The effect of surface probe density on DNA hybridization," <i>Nucleic Acids Research</i> , Vol. 29, No. 24, pages 5163-5168, 2001 | |
| | | SANDRINE BAGHDOYAN, <i>et al.</i> , "Quantitative analysis of highly parallel transfection in cell microarrays," <i>Nucleic Acids Research</i> , Vol. 32, No. 9, pages 1-8, 2004 | |
| | | E.B. KHOMYAKOVA, <i>et al.</i> , "Innovative Instrumentation for Microarray Scanning and Analysis: Application for Characterization of Oligonucleotide Duplexes Behavior," <i>Cellular and Molecular Biology</i> , Vol. 50, No. 3, pages 217-224, 2004 | |
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| Examiner Signature | /P. Kathryn Wright/ | Date Considered | 05/04/2009 |
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